Profile Image

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PENSYARAH UNIVERSITI DS14

CONTACT

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E-MAIL

musab@usim.edu.my

FACULTY

Fakulti Kejuruteraan Dan Alam Bina

SUPERVISION

	COMPLETED	ONGOING
PhD	0	0
Master	2	1

AREAS OF EXPERTISE

- Pattern And Image Recognition
- Data Analytics
- Artificial Intelligence And Robotic System

ACADEMIC QUALIFICATION

2016 **PhD** - Electronics And Electrical Engineering

2010 **Bachelor** - Electronic And Communication Engineering

RESEARCH

1. **INTELLIGENT RNN-PID CONTROL OF A SELF-BALANCING WHEELCHAIR FOR MOBILITY ASSISTANCE**
   2026 | GERAN PENYELIDIKAN FUNDAMENTAL | ON GOING | CO-RESEARCHER

2. **QUANTUM-INSPIRED RESOURCE ALLOCATION FOR UAV-ASSISTED 6G NETWORKS**
   2026 | GERAN PENYELIDIKAN FUNDAMENTAL | ON GOING | CO-RESEARCHER

3. **DEVELOPING A FUNDAMENTAL FRAMEWORK FOR AI-BASED TRANSFORMER FAULT DIAGNOSIS USING DISSOLVED GAS ANALYSIS**
   2026 | GERAN PENYELIDIKAN FUNDAMENTAL | ON GOING | CO-RESEARCHER

4. **DEVELOPING A DECISION TREE MODEL: TOWARDS A PREDICTIVE TOOL FOR ANTIMICROBIAL RESISTANCE IN LOW-RESOURCE HEALTHCARE SETTINGS**
   2026 | GERAN ANTARABANGSA | ON GOING | CO-RESEARCHER

5. **DEVELOPMENT OF ARTIFICIAL INTELLIGENCE BASED INTEGRATED UNMANNED AIRCRAFT COUNTERMEASURES AND MANAGEMENT SYSTEM**
   2025 | GERAN KPT | ON GOING | CO-RESEARCHER

RESEARCH

6. PROTOTYPE DEVELOPMENT OF A REAL-TIME UAV-BASED DEEP LEARNING SYSTEM FOR AUTOMATED DURIAN DETECTION AND YIELD MONITORING

2025 | GERAN PEMBANGUNAN INOVASI (GPI) | ON GOING | MAIN RESEARCHER

7. DEVELOPMENT OF ARTIFICIAL INTELLIGENCE BASED INTEGRATED UNMANNED AIRCRAFT COUNTERMEASURES AND MANAGEMENT SYSTEM

2025 | GERAN PENYELIDIKAN INDUSTRI | ON GOING | CO-RESEARCHER

8. DEEP LEARNING ANALYSIS OF MANDIBULAR THIRD MOLAR AND INFERIOR ALVEOLAR NERVE IN DENTAL PANORAMIC TOMOGRAPHY.

2024 | GERAN PENYELIDIKAN USIM | ON GOING | CO-RESEARCHER

9. DEVELOPMENT AND APPLICATION OF LSTM AND GRU METHODS TO RECOGNIZE HAND MOVEMENTS, POSE AND FACE BASED ON REAL-TIME INTERPRETATION OF INDONESIAN - MALAYSIA SIGN LANGUAGE

2023 | GERAN ANTARABANGSA | ON GOING | MAIN RESEARCHER

10. ANALYZING THE RELATIONSHIP BETWEEN MANDIBULAR THIRD MOLAR AND INFERIOR ALVEOLAR NERVE IN DENTAL PANORAMIC TOMOGRAPHY BY USING DEEP LEARNING

2023 | BIDUNI MIZANNIYAH | COMPLETED | CO-RESEARCHER

11. TAARIQ: DESIGN AND DEVELOPMENT OF AN AL-BASED HUMANOID ROBOT

2023 | GERAN PENYELIDIKAN KHAS | ON GOING | CO-RESEARCHER

12. INVESTIGATING FACTORS PROMOTING FACT-CHECKING FOR MITIGATING FAKE NEWS WITHIN MALAY INSTANT MESSAGING GROUPS

2023 | GERAN PENYELIDIKAN USIM | ON GOING | CO-RESEARCHER

13. RESOURCE MANAGEMENT OPTIMIZATION IN 6G NETWORK FOR SMART GRID COMMUNICATIONS USING DEEP LEARNING

2022 | GERAN PENYELIDIKAN USIM | ON GOING | CO-RESEARCHER

14. TAARIQ: AUTONOMOUS PERSON-FOLLOWING TELEPRESENCE ROBOT USING STEREO CAMERA AND DEEP LEARNING YOLO

2022 | GERAN PENYELIDIKAN USIM | ON GOING | CO-RESEARCHER

15. DEVELOPMENT OF MOBILE APPLICATION FOR WOMEN'S "PRELOVED" BUSINESS PLATFORM: FASHION ARCHADE (FACADE)

2022 | GERAN PENYELIDIKAN AGENSI KERAJAAN | COMPLETED | CO-RESEARCHER

16. AUTONOMOUS HUMAN DETECTION AND LOCALIZATION USING MACHINE LEARNING

2021 | GERAN KPT (KKP) | COMPLETED | MAIN RESEARCHER

17. MOBILITY AND HANDOVER OPTIMIZATION FOR DEEP LEARNING ASSISTED ULTRA-DENSE 6G HETEROGENEOUS NETWORKS

2021 | GERAN KPT | ON GOING | CO-RESEARCHER

RESEARCH

18. AUTOMATIC DISINFECTION CHAMBER

2020 | GERAN PENYELIDIKAN COVID-19 | COMPLETED | CO-RESEARCHER

19. STUDY OF RAINFALL EFFECT TO OPTIMIZE POWER LINES PERFORMANCE

2020 | GERAN PENYELIDIKAN USIM RACER | COMPLETED | CO-RESEARCHER

20. NEW OPTIMAL ENERGY-EFFICIENT CONTROL OF FLEXIBLE SYSTEMS WITH SIMULTANEOUS PAYLOAD HOISTING AND WIND DISTURBANCE

2020 | GERAN KPT | ON GOING | CO-RESEARCHER

21. IMPROVED INCENTIVE PRICING MODELS OF INTERNET UNDER MULTIPLE QOS NETWORKS

2019 | GERAN KPT | ON GOING | MAIN RESEARCHER

22. SURVIVORS IDENTIFICATION AND LOCALIZATION FOR SAR ROBOTICS SYSTEM USING MACHINE LEARNING

2019 | GERAN SEPADAN AGENSI KERAJAAN | COMPLETED | MAIN RESEARCHER

23. USIMAKERS (INDUSTRY4WRD - INDUSTRY@UNIVERSITY)

2019 | PROJEK REVOLUSI INDUSTRI 4.0 | COMPLETED | CO-RESEARCHER

24. INVESTIGATING LIGHT SCATTERING ON PROPERTIES OF RANDOM LASERS BASED ON SCATTERING PROBABILITY THEORY FOR POTENTIAL USE IN MEDICAL AND BIOSENSING APPLICATIONS

2019 | GERAN KPT | COMPLETED | CO-RESEARCHER

25. THE STUDY OF DRUNKEN ABNORMAL HUMAN GAIT RECOGNITION USING ACCELEROMETERS IN MOBILE APPLICATION

2018 | GERAN PENYELIDIKAN USIM | COMPLETED | MAIN RESEARCHER

26. ANALYZING PERFORMANCE OF RANDOM LASERS AS THE OPTICAL DEVICES FOR BIOSENSING AND MEDICAL APPLICATIONS

2018 | GERAN PENYELIDIKAN USIM | COMPLETED | CO-RESEARCHER

27. ULTRA-HIGH SENSITIVE BIOANALYTICAL DETERMINATION OF LARD USING NANOHYBRID BIOSENSING APPROACH AS A TOOL FOR HALAL PRODUCT INVESTIGATION

2018 | GERAN PENYELIDIKAN KHAS | ON GOING | CO-RESEARCHER

28. NUMERICAL SOLUTION FOR ISLAMIC PRICING OPTION USING A MODIFIED 2 POINT BLOCK BACKWARDS DIFFERENCE METHOD

2017 | GERAN KPT | COMPLETED | CO-RESEARCHER

PUBLICATION

1. ASSESSING ARABIC LANGUAGE EXPOSURE INSTRUMENT (I-ALEX) IN HIGHER EDUCATION USING THE RASCH MEASUREMENT MODEL

IJAZ ARABI JOURNAL OF ARABIC LEARNING

2025 | JOURNAL | OTHER DATABASE | CO-AUTHOR

PUBLICATION

2. SIMILARITY LEARNING BASED ON MULTIMODEL RECORDS WITH UNSTRUCTURED REPORTS

2025 10TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING AND SIGNAL PROCESSING (ICSP)

2025 | PROCEEDING | SCOPUS | CO-AUTHOR

3. PRE-TRAINING WITH SIAMESE NETWORKS USING SELF-SUPERVISED INFORMATION FOR UNLABELED IMAGES

2025 IEEE 31TH INTERNATIONAL CONFERENCE ON PARALLEL AND DISTRIBUTED SYSTEMS (ICPADS) |

2025 | PROCEEDING | WOS | CO-AUTHOR

4. ABSTRACT BOOK OF THE 2025 INTERNATIONAL CONFERENCE ON SCIENCE, BUILT ENVIRONMENT AND ENGINEERING (CONFERENCE PROCEEDINGS: ABSTRACTS)

2025 INTERNATIONAL CONFERENCE ON SCIENCE, BUILT ENVIRONMENT, AND ENGINEERING (ICOSBEE 2025)

2025 | PROCEEDING | NON-INDEX | CHIEF EDITOR

5. AUTONOMOUS PERSON-FOLLOWING TELEPRESENCE ROBOT USING MONOCULAR CAMERA AND DEEP LEARNING YOLO

APPLICATIONS OF MODELLING AND SIMULATION

2024 | JOURNAL | SCOPUS | CO-AUTHOR

6. ENHANCING ARABIC VOCABULARY MASTERY THROUGH AUGMENTED REALITY: A STUDY ON AR-MUFRADAT APPLICATION FOR PRIMARY SCHOOL STUDENTS

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH (IJAR)

2024 | JOURNAL | OTHER DATABASE | CO-AUTHOR

7. DETECTING SIGNAL TRANSTITION IN DYNAMIC SIGN LANGUAGE USING R-GB LSTM METHOD

INTERNATIONAL JOURNAL OF ADVANCES IN INTELLIGENT INFORMATICS

2024 | JOURNAL | OTHER DATABASE | CO-AUTHOR

8. OPTIMIZATIONS OF IOT-EDGE COMPUTING IN SMART GRID WIDE AREA NETWORK.

ADVANCEMENT IN ENGINEERING AND TECHNOLOGY

2024 | CHAPTER IN BOOK | CO-AUTHOR

9. AUGMENTED REALITY TECHNOLOGY IN LEARNING ARABIC VOCABULARY FROM THE PERCEPTION OF UNIVERSITY STUDENTS

INTERNATIONAL JOURNAL OF INTERACTIVE MOBILE TECHNOLOGIES (IJIM)

2023 | JOURNAL | SCOPUS AND ERA | CORRESPONDING AUTHOR

10. A REVIEW ON CURRENT DIAGNOSTIC TOOLS AND POTENTIAL OPTICAL ABSORPTION SPECTROSCOPY FOR HFMD DETECTION

ANALYTICAL BIOCHEMISTRY

2023 | JOURNAL | ERA | CO-AUTHOR

11. DURIAN DETECTION AND COUNTING SYSTEM USING DEEP LEARNING

JOURNAL OF ENGINEERING SCIENCE AND TECHNOLOGY

2023 | JOURNAL | ERA | CO-AUTHOR

PUBLICATION

12. PRINCIPLES, CHARACTERISTICS AND APPLICATION OF OPTICAL FIBRE IN TELECOMMUNICATION AND SENSORY SYSTEM

TECHNOLOGIES IN SCIENCE AND ENGINEERING: A MULTIDISCIPLINARY APPROACH

2023 | CHAPTER IN BOOK | CO-AUTHOR

13. THE SMART GRASS-CUTTING ROBOT WITH UPCYCLING SOLAR MODULE

TECHNOLOGIES IN SCIENCE AND ENGINEERING: A MULTIDISCIPLINARY APPROACH

2023 | CHAPTER IN BOOK | CO-AUTHOR

14. OPTICAL SPECTROSCOPY POTENTIAL APPROACH FOR EARLY DISEASE DETECTION: HFMD CASE

TECHNOLOGIES IN SCIENCE AND ENGINEERING: A MULTIDISCIPLINARY APPROACH

2023 | CHAPTER IN BOOK | CO-AUTHOR

15. KNOWLEDGE READINESS TO USE AUGMENTED REALITY IN TEACHING ARABIC AMONG PRIMARY SCHOOL TEACHERS IN MALAYSIA

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH (IJAR)

2022 | JOURNAL | OTHER DATABASE | MAIN AUTHOR

16. TEACHERS? ATTITUDES TOWARDS THE USE OF AUGMENTED REALITY TECHNOLOGY IN TEACHING ARABIC IN PRIMARY SCHOOL MALAYSIA

INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS (IJACSA)

2022 | JOURNAL | OTHER DATABASE | MAIN AUTHOR

17. A REVIEW ON WATER QUALITY MONITORING METHODS BASED ON ELECTRONICS AND OPTICAL SENSING

JOURNAL OF ADVANCED RESEARCH IN APPLIED SCIENCES AND ENGINEERING TECHNOLOGY

2022 | JOURNAL | OTHER DATABASE | CORRESPONDING AUTHOR

18. IMAGE DETECTION AND CLASSIFICATION OF OIL PALM FRUIT BUNCHES

2022 4TH INTERNATIONAL CONFERENCE ON SMART SENSORS AND APPLICATION (ICSSA)

2022 | PROCEEDING | SCOPUS | CO-AUTHOR

19. IMPROVED INCENTIVE PRICING WIRELESS MULTI-SERVICE SINGLE LINK WITH BANDWIDTH ATTRIBUTE

INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS (IJACSA)

2021 | JOURNAL | JCR | MAIN AUTHOR / CONTACT PERSON IN USIM

20. A STUDY ON THE SELF-SUSTAINING SOLAR MODULE BY UTILIZING SOLAR CELL FROM NON-DEGRADABLE WASTE

REKAYASA HIJAU: JURNAL TEKNOLOGI RAMAH LINGKUNGAN

2021 | JOURNAL | OTHER DATABASE | CO-AUTHOR

21. ANALYSIS ON CLARITY OF RUBIES GEMSTONES USING CHARGE-COUPLED DEVICE (CCD)

JOURNAL OF TOMOGRAPHY SYSTEM & SENSORS APPLICATION

2021 | JOURNAL | OTHER DATABASE | CO-AUTHOR

22. SIMULATION STUDY ON CCD TOMOGRAPHY SYSTEM FOR RUBY STONE OPTICAL PROPERTIES

JOURNAL OF TOMOGRAPHY SYSTEM & SENSORS APPLICATION

2021 | JOURNAL | OTHER DATABASE | CO-AUTHOR

PUBLICATION

23. INVESTIGATING THE QUALITY OF MILK USING SPECTROMETRY TECHNIQUE AND SCATTERING THEORY

ENGINEERING, TECHNOLOGY & APPLIED SCIENCE RESEARCH

2021 JOURNAL WOS CO-AUTHOR

24. A STUDY ON EARLY DETECTION OF SEWER PIPELINE BLOCKAGE USING CCD TOMOGRAPHY APPROACH

INTERNATIONAL CONFERENCE ON CIVIL AND ENVIRONMENTAL ENGINEERING

2021 PROCEEDING NON-INDEX CO-AUTHOR

25. ELECTROCHEMICAL DETECTION OF TRIBUTYRIN USING PRUSSIAN BLUE FUNCTIONALIZED GLASSY CARBON ELECTRODE

2021 IEEE INTERNATIONAL CONFERENCE ON SENSORS AND NANOTECHNOLOGY (SENNANO)

2021 PROCEEDING NON-INDEX CO-AUTHOR

26. ELECTROCHEMICAL DETECTION OF TRIBUTYRIN USING GOLD NANOPARTICLE FUNCTIONALIZED SCREEN-PRINTED ELECTRODE

2021 IEEE 19TH STUDENT CONFERENCE ON RESEARCH AND DEVELOPMENT (SCORED)

2021 PROCEEDING NON-INDEX CO-AUTHOR

27. IMPROVED MODEL OF INTERNET PRICING INCENTIVE MECHANISM BASED ON MULTI BOTTLENECK LINKS IN MULTI QOS NETWORKS

2021 INTERNATIONAL CONFERENCE ON ELECTRICAL, COMMUNICATION, AND COMPUTER ENGINEERING (ICECCE)

2021 PROCEEDING NON-INDEX CO-AUTHOR

28. EMOTION DETECTION BASED ON AUDIO/VOICE SIGNAL FOR AUTISM SPECTRUM DISORDER (ASD) USING CORRELATION METHOD

ADVANCES IN SUSTAINABLE LIVING: ENGINEEERING & TECHNOLOGY

2021 CHAPTER IN BOOK CO-AUTHOR

29. RADIO OVER FIBRE FREE SPACE OPTICS (ROFSO) SYSTEM

ADVANCES IN SUSTAINABLE LIVING: ENGINEEERING & TECHNOLOGY

2021 CHAPTER IN BOOK CO-AUTHOR

30. A STUDY ON MALAYSIA ATMOSPHERIC EFFECT ON RADIO OVER FREE SPACE OPTIC THROUGH RADIO FREQUENCY SIGNAL AND LIGHT PROPAGATION IN FIBER FOR FUTURE COMMUNICATION DEVELOPMENT

AIP CONFERENCE PROCEEDINGS

2020 JOURNAL SCOPUS CO-AUTHOR

31. THE DEVELOPMENT OF SALAH CHAIR USING ELECTRONIC SENSOR TO ASSIST DISABLED MUSLIMS IN PERFORMING PRAYERS

REKA ELKOMIKA: JURNAL PENGABDIAN KEPADA MASYARAKAT

2020 JOURNAL OTHER DATABASE CO-AUTHOR

32. A STUDY OF OBJECT TRANSPARENCY VIA CHARGE-COUPLED DEVICE MATHEMATICAL MODELLING ASSESSMENT

MALAYSIAN JOURNAL OF SCIENCE HEALTH & TECHNOLOGY

2020 JOURNAL OTHERS DATABASE CO-AUTHOR

PUBLICATION

33. A STUDY OF OBJECT TRANSPARENCY VIA CHARGE-COUPLED DEVICE MATHEMATICAL MODELLING ASSESSMENT

MALAYSIAN JOURNAL OF SCIENCE HEALTH & TECHNOLOGY

2020 JOURNAL OTHERS DATABASE CO-AUTHOR

34. PRINCIPLES AND CHARACTERISTICS OF RANDOM LASERS AND THEIR APPLICATIONS IN MEDICAL, BIOIMAGING AND BIOSENSING

AIP CONFERENCE PROCEEDINGS

2020 JOURNAL SCOPUS CO-AUTHOR

35. INVESTIGATING LIGHT PROPAGATION IN FULL AND SKIMMED MILK BASED ON SPECTROSCOPY AND MONTE CARLO ANALYSIS

JOURNAL OF ENGINEERING AND APPLIED SCIENCE

2020 JOURNAL SCOPUS CO-AUTHOR

36. THE EFFECT OF MOTIVATION ON ARABIC COLLOCATION KNOWLEDGE: THE MEDIATING ROLE OF COLLOCATION LEARNING STRATEGIES

JOURNAL OF NUSANTARA STUDIES (JONUS)

2020 JOURNAL WOS MAIN AUTHOR

37. THE LEVEL OF STUDENTS ENGAGEMENT IN ARABIC LANGUAGE WITHIN PUBLIC UNIVERSITIES

ASIA PACIFIC JOURNAL OF EDUCATORS AND EDUCATION (APJEE)

2020 JOURNAL SCOPUS MAIN AUTHOR

38. STRATEGI PEMBELAJARAN KOLOKASI BAHASA ARAB DALAM KALANGAN PELAJAR UNIVERSITI AWAM MALAYSIA

GEMA ONLINE JOURNAL OF LANGUAGE STUDIES

2019 JOURNAL ERA CO-AUTHOR

39. A SIMPLE YET RELIABLE FACIAL EMOTION DETECTION FOR CAMPUS ENVIRONMENT

INTERNATIONAL JOURNAL OF RECENT TECHNOLOGY AND ENGINEERING (IJRTE)

2019 JOURNAL SCOPUS CO-AUTHOR

40. TAHAP MOTIVASI HOLISTIK, INTRINSIK DAN EKSTRINSIK TERHADAP PEMBELAJARAN KOSA KATA BAHASA ARAB DALAM KALANGAN GRADUAN UNIVERSITI AWAM

THE ASIA PACIFIC JOURNAL OF EDUCATORS AND EDUCATION

2019 JOURNAL SCOPUS CO-AUTHOR

41. FINITE ELEMENT MODELING OF OVERHEAD LINE THERMAL RATING METHOD

INTERNATIONAL SEMINAR ON ISLAM AND SCIENCE 2019

2019 PROCEEDING NON-INDEX CO-AUTHOR

42. PERFORMANCE ANALYSIS OF SISO AND MIMO FSO COMMUNICATION UNDER MALAYSIA WEATHER CONDITION BY EMPLOYING OPTISYTEM

INTERNATIONAL SEMINAR ON ISLAM AND SCIENCE 2019

2019 PROCEEDING NON-INDEX CO-AUTHOR

43. ADVANCES IN SUSTAINABLE LIVING : ENGINEERING & BUILT ENVIRONMENT

2019 BOOK CO-AUTHOR & CO-EDITOR

PUBLICATION

44. ISLAMIC PERSPECTIVE ON SUSTAINABILITY IN JAPAN

ADVANCES IN SUSTAINABLE LIVING: ENGINEERING & BUILT ENVIRONMENT

2019 CHAPTER IN BOOK CO-AUTHOR

45. ISLAMIC PERSPECTIVE ON RECYCLING IN JAPAN

ADVANCES IN SUSTAINABLE LIVING: ENGINEERING & BUILT ENVIRONMENT

2019 CHAPTER IN BOOK CO-AUTHOR

46. DEVICES IN OPTICS, TOMOGRAPHY ANDBIOSENSING

ADVANCES IN SUSTAINABLE LIVING: ENGINEERING & BUILT ENVIRONMENT

2019 CHAPTER IN BOOK CO-AUTHOR

47. PLASMONIC EFFECT ON PERFORMANCE OF RANDOM LASERS

ADVANCED SCIENCE LETTERS

2018 JOURNAL SCOPUS CO-AUTHOR

48. AORTIC ANNULUS SIZING USING WATERSHED TRANSFORM AND MORPHOLOGICAL APPROACH FOR CT IMAGES

AIP CONFERENCE PROCEEDINGS

2018 JOURNAL WOS CO-AUTHOR

49. DPSK OTDM DEMULTIPLEXING USING FLEXIBLE PULSE CLOCK FROM RAMAN AMPLIFIER-SOLITON COMPRESSOR

ADVANCED SCIENCE LETTERS

2018 JOURNAL SCOPUS CO-AUTHOR

50. AUTOMATED FEATURE DESCRIPTION OF RENAL SIZE USING IMAGE PROCESSING

INTERNATIONAL JOURNAL OF INTEGRATED ENGINEERING (IJIE)

2018 JOURNAL SCOPUS MAIN AUTHOR

51. SOLUTION FOR NONLINEAR RICCATI EQUATION BY BLOCK METHOD

PROCEEDING OF THE 25TH NATIONAL SYMPOSIUM ON MATHEMATICAL SCIENCES (SKSM25)

2018 JOURNAL SCOPUS CO-AUTHOR

52. AUTOMATIC FEATURE DESCRIPTION OF ENDOMETRIOMA IN ULTRASONIC IMAGES OF THE OVARY

INTERNATIONAL JOURNAL OF INTEGRATED ENGINEERING (IJIE)

2018 JOURNAL SCOPUS CO-AUTHOR

53. AUTOMATED FEATURE DESCRIPTION OF FOLLICLE SIZE IN ASSISTED REPRODUCTIVE TREATMENT

INTERNATIONAL JOURNAL OF INTEGRATED ENGINEERING (IJIE)

2018 JOURNAL SCOPUS CO-AUTHOR

54. OPTICAL TOMOGRAPHY SYSTEM USING CHARGE-COUPLED DEVICE FOR TRANSPARENT OBJECT DETECTION

INTERNATIONAL JOURNAL OF INTEGRATED ENGINEERING (IJIE)

2018 JOURNAL SCOPUS CO-AUTHOR

PUBLICATION

55. DESIGN AND FABRICATION OF POLYDIMETHYLSILOXANE BASED LOW COST MICROFLUIDIC FOR ULTRA-FAST DIAGNOSTIC APPLICATIONS

INTERNATIONAL JOURNAL OF INTEGRATED ENGINEERING (IJIE)

2018 JOURNAL SCOPUS CO-AUTHOR

56. POLY(VINYLPYRROLIDINONE)-IRON MAGNETIC NANOCOMPOSITES AS SORBENTS FOR EFFECTIVE OIL REMOVAL FROM WATER

RECENT ADVANCEMENT ON APPLIED PHYSICS, INDUSTRIAL CHEMISTRY AND CHEMICAL TECHNOLOGY

2018 JOURNAL SCOPUS CO-AUTHOR

57. KESAHAN DAN KEBOLEHPERCAYAAN INSTRUMEN PENGETAHUAN KOLOKASI BAHASA ARAB IPT (I-KAC IPT) MENGGUNAKAN MODEL PENGUKURAN RASCH

ASEAN COMPARATIVE EDUCATION RESEARCH JOURNAL ON ISLAM AND CIVILIZATION (ACER-J)

2018 JOURNAL OTHER DATABASE CO-AUTHOR

58. VALIDITY AND REALIBILITY OF ARABIC COLLOCATION LEARNING STRATEGIES INSTRUMENT: ANALYSIS USING RASCH MODEL

MALAYSIA JOURNAL OF EDUCATION (MJE)

2018 JOURNAL OTHER DATABASE CO-AUTHOR

59. DEVELOPMENT OF AUTOMATIC QURANIC RECITATION BASED ON EMOTION DETECTION FROM SPEECH ANALYSIS USING RESONANCE THEORY

CONTEMPORARY ISSUES ISLAM AND SCIENCE

2018 CHAPTER IN BOOK MAIN AUTHOR

60. SIMPLE YET RELIABLE FACE DETECTION FOR SECURITY SYSTEM IN CAMPUS ENVIRONMENT

CONTEMPORARY ISSUES ISLAM AND SCIENCE

2018 CHAPTER IN BOOK CO-AUTHOR

61. HALAL SENSOR DEVELOPMENT OF OPTICAL TOMOGRAPHY SYSTEM FOR SOLID CONTAMINATION DETECTION

CONTEMPORARY ISSUES ISLAM AND SCIENCE

2018 CHAPTER IN BOOK CO-AUTHOR

62. HALAL SENSOR DEVELOPMENT OF OPTICAL TOMOGRAPHY SYSTEM FOR SOLID CONTAMINATION DETECTION

CONTEMPORARY ISSUES ISLAM AND SCIENCE

2018 CHAPTER IN BOOK CO-AUTHOR

63. RADIO OVER FIBER UNDER MALAYSIA ATMOSPHERIC USING OPTISYSTEM SIMULATOR FOR NEXT GENERATION COMMUNICATION

CONTEMPORARY ISSUES ISLAM AND SCIENCE

2018 CHAPTER IN BOOK CO-AUTHOR

64. SOLUTION FOR NONLINEAR DUFFING OSCILLATOR USING VARIABLE ORDER VARIABLE STEPSIZE BLOCK METHOD

MATEMATIKA

2017 JOURNAL WOS CO-AUTHOR

PUBLICATION

65. WAVELET-BASED AORTIC ANNULUS SIZING OF ECHOCARDIOGRAPHY IMAGES

IEEE XPLORE, INTERNATIONAL CONFERENCE ON SIGNAL AND IMAGE PROCESSING APPLICATIONS (ICSIPA), 2017

2017 JOURNAL WOS CO-AUTHOR

66. AN INVESTIGATION ON THE POWER SYSTEM STABILITY OF PHOTOVOLTAIC GRID INTEGRATED SYSTEM

IEEE XPLORE, 2017 7TH IEEE INTERNATIONAL CONFERENCE ON CONTROL SYSTEM, COMPUTING AND ENGINEERING (ICCSCE)

2017 JOURNAL SCOPUS CO-AUTHOR

67. WAVELET-BASED AORTIC ANNULUS SIZING OF ECHOCARDIOGRAPHY IMAGES

2017 IEEE INTERNATIONAL CONFERENCE ON SIGNAL AND IMAGE PROCESSING APPLICATIONS (IEEE ICSIPA 2017)

2017 PROCEEDING NON-INDEX CO-AUTHOR

68. BLOOD VESSEL FEATURE DESCRIPTION FOR DETECTION OF ALZHEIMERS DISEASE

2014 13TH INTERNATIONAL CONFERENCE ON CONTROL AUTOMATION ROBOTICS & VISION (ICARCV),

2014 PROCEEDING NON-INDEX MAIN AUTHOR

69. ON BLOODVESSEL BRANCHING ANALYSIS FOR THE DETECTION OF ALZHEIMER'S DISEASE

18TH ANNUAL CONFERENCE IN MEDICAL IMAGE UNDERSTANDING AND ANALYSIS 2014

2014 PROCEEDING NON-INDEX MAIN AUTHOR

70. ANALYSING MORPHOLOGICAL PATTERNS OF BLOOD VESSELS FOR DETECTION OF ALZHEIMER'S DISEASE

2013 IEEE NUCLEAR SCIENCE SYMPOSIUM AND MEDICAL IMAGING CONFERENCE (NSS/MIC)

2013 PROCEEDING NON-INDEX MAIN AUTHOR

71. A NOVEL TOOL FOR THE ANALYSIS OF THE MORPHOLOGICAL PATTERN OF BLOOD VESSEL. RELEVANCE TO EARLY DIAGNOSIS OF ALZHEIMER'S DISEASE

BIOMARKERS IN BRAIN DISORDERS

2013 PROCEEDING NON-INDEX MAIN AUTHOR

AWARDS/RECOGNITION

1. CERTIFICATE OF BEST PRESENTATION IN SESSION

2025 INTERNATIONAL

2. KOD JAWI GPT TOWARDS AI SYARIAH

INNOVATION BANK CHALLENGE 2025

2025 ANTARABANGSA GOLD

3. INVESTIGATING FACTORS PROMOTING FACT-CHECKING FOR MITIGATING FAKE NEWS WITHIN MALAY INSTANT MESSAGING GROUPS

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024 UNIVERSITI GOLD

AWARDS/RECOGNITION

4. VISITING SCHOLAR

CENTER FOR SOUTHEAST ASIAN STUDIES, KYOTO UNIVERSITY

2023 INTERNATIONAL

5. VISITING PROFESOR

SHIBAURA INSTITUTE OF TECHNOLOGY, JAPAN

2022 INTERNATIONAL

6. SMART PARCEL DROP BOX

PERTANDINGAN REKACIPTA INOVASI INTERNASIONAL & NASIONAL 2022 (PRiIN 2022)

2022 ANTARABANGSA SILVER

7. ACADEMIC ADVISOR

SMARTCORE DIGITAL SDN. BHD

2021 NATIONAL

8. AR-FASEH: REKA BENTUK DAN PEMBANGUNAN APLIKASI PEMBELAJARAN KOSA KATA BAHASA ARAB BERASASKAN TEKNOLOGI REALITI TERIMBUH (AUGMENTED REALITY)

Kongres dan Pertandingan Inovasi dalam Pengajaran dan Pembelajaran (kNovasi 2021)

2021 KEBANGSAAN GOLD

9. WATER QUALITY MONITORING USING CPS APPROACH

INNOVATION BANK CHALLENGE (IBC 2021)

2021 UNIVERSITI BRONZE

10. STORYBOARD AR-FASEH:APLIKASI KOSA KATA BAHASA ARAB BERASASKAN TEKNOLOGI REALITI TERIMBUH (AR)

PENDAFTARAN HARTA INTELEK MALAYSIA

2021 KEBANGSAAN

11. INSTRUMEN STRATEG PEMBELAJARAN KOLOKASI BAHASA ARAB (SPKBA)

PENDAFTARAN HARTA INTELEK MALAYSIA

2021 KEBANGSAAN

12. ANUGERAH PERKHIDMATAN CEMERLANG

2020 UNIVERSITY

13. ACADEMIC ADVISOR

UZMA INTEGRATED SOLUTION SDN BHD

2020 NATIONAL

14. THE FLICKER: SECURE FREE SPACE OPTICS COMMUNICATION FOR NAVAL

INTERNATIONAL CONFERENCE AND EXPOSITION ON INVENTIONS BY INSTITUTIONS OF HIGHER LEARNING (PECIPTA'19

2019 ANTARABANGSA SILVER

AWARDS/RECOGNITION

15. ILLEGAL DUMPING DETECTION SYSTEM

INVENTION, INNOVATION & DESIGN EXPOSITION 2019 (iidex2019)

2019 ANTARABANGSA BRONZE

16. AUTOMATED MOTION DETECTION SECURITY SYSTEM NOTIFIER USING RASPBERRY PI WITH TELEGRAM

INVENTION, INNOVATION & DESIGN EXPOSITION 2019 (iidex2019)

2019 ANTARABANGSA BRONZE

17. SMART WATER TURBIDITY LEVEL MEASUREMENT WITH IOT ENABLED FOR ENVIRONMENT MONITORING APPLICATION

8th EXPOSITION ON ISLAMIC INNOVATION (i-INOVA) 2018

2018 UNIVERSITI SILVER

18. SPEECH-BASED GENDER RECOGNITION

ISLAMIC INNOVATION STUDENT COMPETITION 2018 (IREKA'18)

2018 UNIVERSITI SILVER

19. A SIMPLE FACE DETECTION METHOD IN CAMPUS ENVIRONMENT TOWARDS A SUSTAINABLE WELL-BEING SOCIETY

8th EXPOSITION ON ISLAMIC INNOVATION (i-INOVA) 2018

2018 UNIVERSITI SILVER

20. INVENTORI KOLOKASI LARAS AKADEMIK BAHASA ARAB BERASASKAN KORPUS-IKAC

SIMPOSIUM KEBANGSAAN KECEMERLANGAN PENDIIDKAN ISLAM DAN BAHASA ARAB 2017

2017 KEBANGSAAN SILVER

21. MODEL PENGETAHUNA KOLOKASI BAHASA ARAB DALAM KALANGAN PELAJAR UNIVERSITI AWAM (GOLD MEDAL)

WORLD ARABIC LANGUAGE DAY

2017 KEBANGSAAN GOLD

22. MODEL PENGETAHUAN KOLOKASI BAHASA ARAB DALAM KALANGAN PELAJAR UNIVERSITI AWAM (GOLD MEDAL)

WORLD ARABIC LANGUAGE DAY 2017 (WALD-2017)

2017 ANTARABANGSA GOLD